

Iminoctadine Analysis

1. Analytical Condition

YL9100 HPLC -FLD (Ninhydrin derivatization)

Column : Carbamate rapid analysis C18

(4.6 X 150mm,5 μ m)

Detector : FLD Ex 305nm/Em 500nm

Injection Volume : 100 μ l

Column Oven : 40°C

<Pinnacle PCX with 0.5ml reactor>

Post Reaction Pump : 0.4ml/min,

Reactor Temp 80°C, **0.5N NaOH 0.4ml/min, 0.15% Ninhydrin 0.4ml/min**

Mobile phase : A-Water 28%:Ammonia water(69:1) mixed solution

(pH 2.5/60% - controlled by HClO4)

B-40% MeOH

Time (min)	Flow rate (ml/min)	A	B
0	1	60	40
15	1	10	90
18	1	10	90
19	1	60	40

2. Chromatogram

<Calibration Curve>

Made Calibration Curve points with 0.5ppm, 0.2ppm, 0.1ppm

*In case of over 1ppm amount,
The linearity doesn't appear*

